

station. A radio communication terminal is provided including a receiver unit using a transmission suspending period generated as a result of the reception of compressed data frames, and based on a function for measuring an actual intensity of a data signal from neighboring base stations using different frequencies and on the measured result controls a transmitting and/or receiving device to switch a base station transmitting and/or receiving the actual data. Also provided is a CPU for detecting that the terminal remains in a non-mobile condition and for transmitting the data signal indicating the non-mobile condition to a switched base station. In response to the non-mobile condition data, the base station continuously transmits radio data frames to the terminal without providing a transmission suspending period.--

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IN THE CLAIMS

Please amend claims 1-15 by rewriting same to read as follows:

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--1. (Amended) A communication system, comprising:  
a plurality of relaying base stations continuously transmitting a data frame and a compressed data frame, the compressed data frame being generated as a result of compressing the data frame as required for providing a period without data transmission; and  
a mobile communication terminal, including:  
transmitting and receiving means for transmitting data to

and receiving actual data from the plurality of relaying base stations under a specific frequency;

signal strength measuring means for measuring an intensity of a data signal transmitted from one of the plurality of relaying base stations having a different frequency by utilizing the period without data transmission generated by reception of the compressed data frames via the transmitting and receiving means;

controlling means for controlling a frequency of the data signal transmitted and received by the transmitting and receiving means based on a result of measurement by the signal strength measuring means and for switching a relaying base station

transmitting and receiving the actual data;

detecting means for detecting whether the mobile communication terminal is in an approximately non-mobile condition; and

non-mobile condition information transmitting means for transmitting information on the detected approximately non-mobile condition to the relaying base station transmitting and receiving the actual data via the transmitting and receiving means, wherein the relaying base station continuously transmits the data frame without providing the period without data transmission based on the information on the approximately non-mobile condition from the mobile communication terminal.

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--2. (Amended) The communication system according to Claim 1, wherein each of the plurality of relaying base stations generates the compressed data frame from the data frame under a compressed mode.

--3. (Amended) The communication system according to Claim 1, wherein the non-mobile condition information transmitting means transmits information on the approximately non-mobile condition to the plurality of relaying base stations before starting transmission and reception of the actual data.

--4. (Amended) The communication system according to Claim 1, further comprising operating means for inputting external information regarding the approximately non-mobile condition, wherein the detecting means detects the input of information regarding the approximately non-mobile condition performed through the operating means.

--5. (Amended) The communication system according to Claim 1, wherein the detecting means detects the approximately non-mobile condition by detecting whether the communication terminal is loaded onto a fixing apparatus.

--6. (Amended) The communication system according to Claim 5, wherein the fixing apparatus comprises a station unit connected to a computer and transfers data between the loaded

communication terminal and the computer; and the communication terminal is freely attached to and detached from the fixing apparatus.

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--7. (Amended) The communication system according to Claim 1, wherein the communication terminal comprises a portable telephone set and the actual data includes telephone call data.

--8. (Amended) A communication method, comprising the steps of: continuously transmitting from a relaying base station a data frame and a compressed data frame generated by compressing the data frame as required for providing a period without data transmission;

measuring an intensity of a data signal transmitted from the relaying base station having a different frequency by utilizing the period without data transmission generated by reception of the compressed data frame via transmitting and receiving means transmitting actual data to and receiving actual data from a plurality of relaying base stations under a specific frequency; and

selecting the base station by controlling the frequency of transmission and reception of the transmitting and receiving means of the communication terminal based on a measurement result of the signal strength measurement step and switching the relaying base station transmitting and receiving the actual data, wherein

Q2 the communication terminal detects whether the communication terminal is in an approximately non-mobile condition and transmits via the transmitting and receiving means information on the detected approximately non-mobile condition to the relaying base station transmitting and receiving actual data; and

the relaying base station continuously transmits a plurality of data frames without providing the period without data transmission during the transmitting step based on the information on the approximately non-mobile condition transmitted from the communication terminal.

--9. (Amended) A communication terminal transmitting a data signal to and receiving the data signal from a relaying base station from a plurality of relaying base stations, each relaying base station continuously transmitting a data frame and a compressed data frame generated by compressing the data frame as required for providing a period without data transmission, the communication terminal comprising:

transmitting and receiving means for transmitting actual data to and receiving the actual data from one of the plurality of relaying base stations under a specific frequency;

signal strength measuring means for measuring a strength of the data signal from a neighboring relaying base station using a different frequency by utilizing the period without data transmission generated as a result of reception of the

compressed data frame via the transmitting and receiving means;

controlling means for controlling a frequency of the data signal from the transmitting and receiving means based on a measurement result of the signal strength measuring means and for switching the relaying base station transmitting and receiving the actual data;

detecting means for detecting an approximately non-mobile condition; and

non-mobile condition information transmitting means transmitting via the transmitting and receiving means information regarding the approximately non-mobile condition detected by the detecting means to the relaying base station transmitting and receiving the actual data, wherein

the relaying base station continuously transmits the data frame without providing the period without data transmission based on received information regarding the approximately non-mobile condition.

--10. (Amended) The communication terminal according to Claim 9, wherein the switched relaying base station generates the compressed data frame from the data frame by applying a compressed mode.

--11. (Amended) The communication terminal according to Claim 9, wherein the non-mobile condition information transmitting means transmits the information on the

approximately non-mobile condition before starting transmission and reception of the actual data.

a<sup>2</sup> --12. (Amended) The communication system according to Claim 9, further comprising operating means for inputting external information regarding the approximately non-mobile condition, wherein the detecting means detects the input of the information regarding the approximately non-mobile condition; and the input is performed through the operating means.

--13. (Amended) The communication system according to Claim 9, wherein the detecting means detects the approximately non-mobile condition by detecting that the communication terminal is loaded onto a fixing apparatus.

--14. (Amended) The communication system according to Claim 13, wherein the fixing apparatus comprises a station unit connected to a computer and transfers data between the loaded communication terminal and the computer; and the communication terminal is freely attached to and detached from the fixing apparatus.

--15. (Amended) The communication terminal according to Claim 9, wherein the communication terminal comprises a portable telephone set and the actual data comprises telephone call data.--